

Clean and Affordable Energy for the West: A California Perspective



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President
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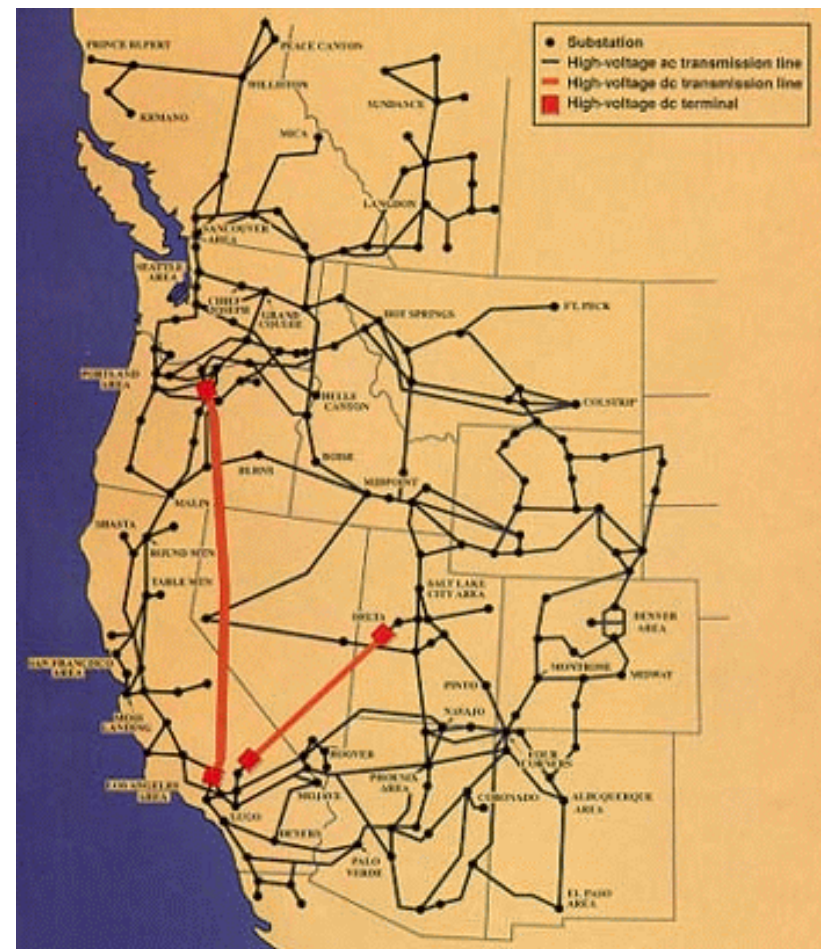
Once upon a time in the West...



...and the West today



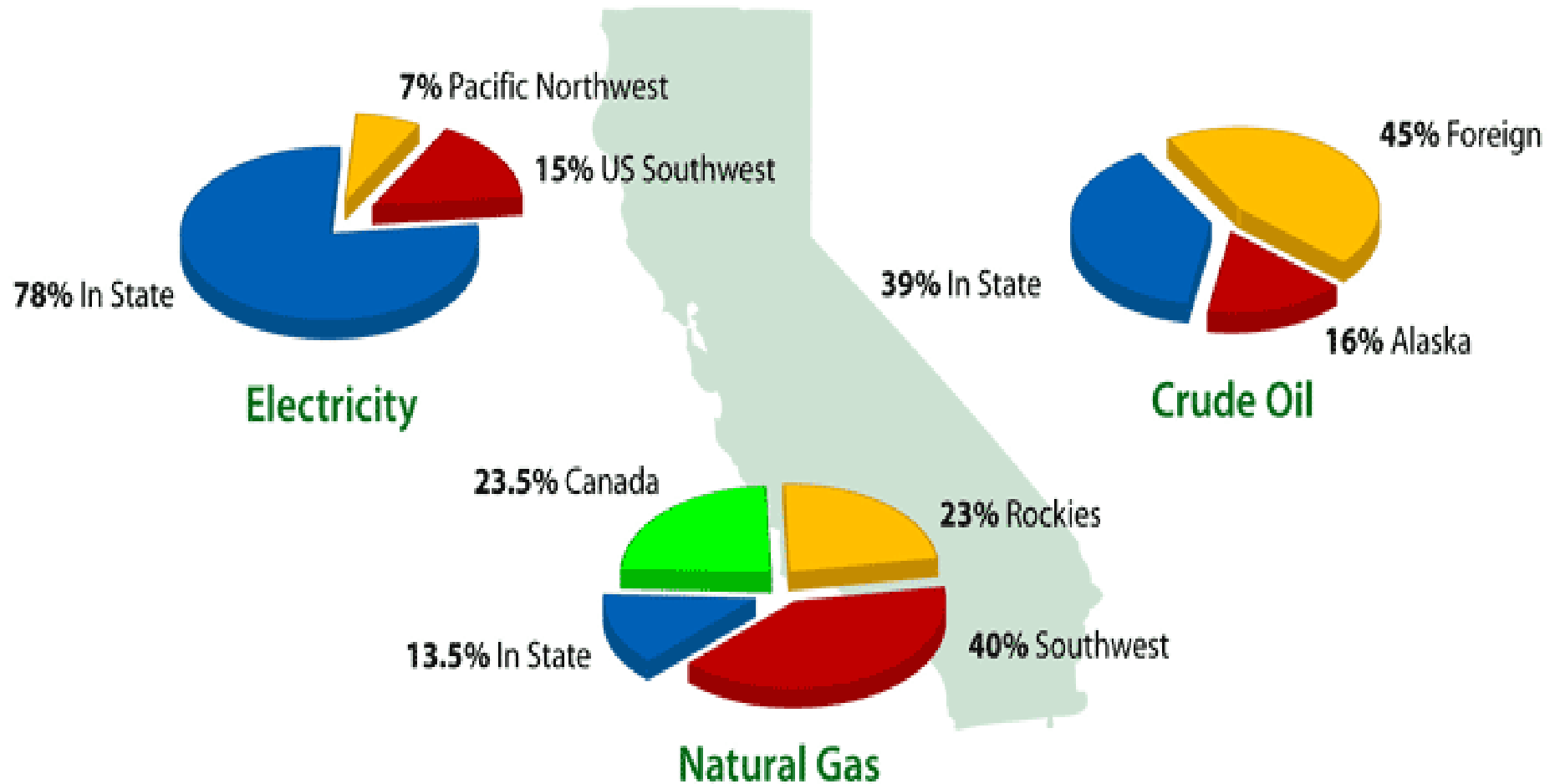
Natural Gas Pipelines



WECC Transmission Grid

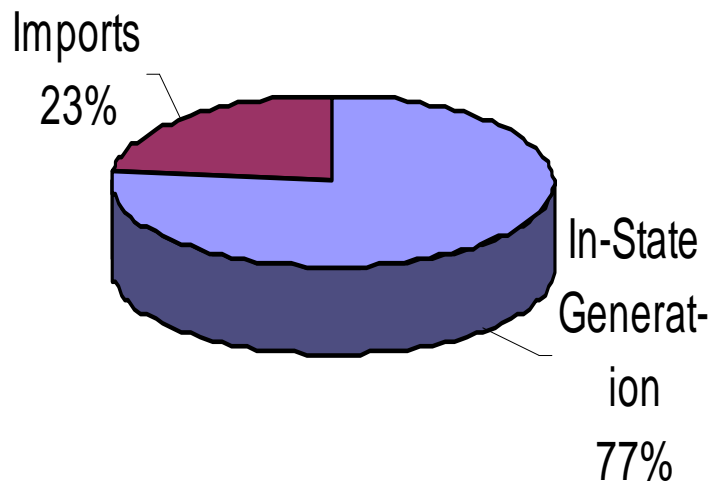


California's Energy Sources

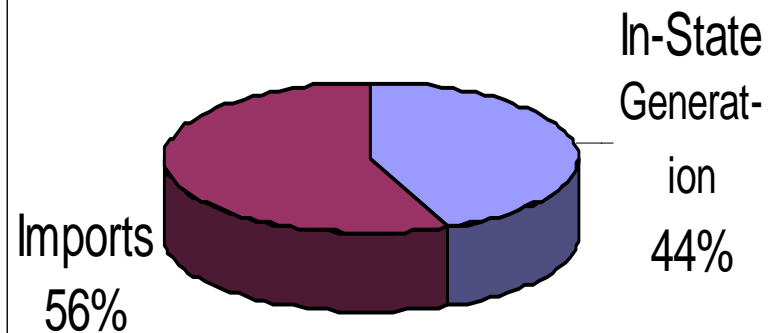


Electricity-Related Emissions: Imports

**2004 Electricity Sales
(MWh)**



Emissions (MMT CO₂e)



Source: CEC (for electricity sales); CARB (for emissions inventory)



Grinnell Glacier, Glacier National Park

California's Clean Energy and GHG Reduction Goals and Policies



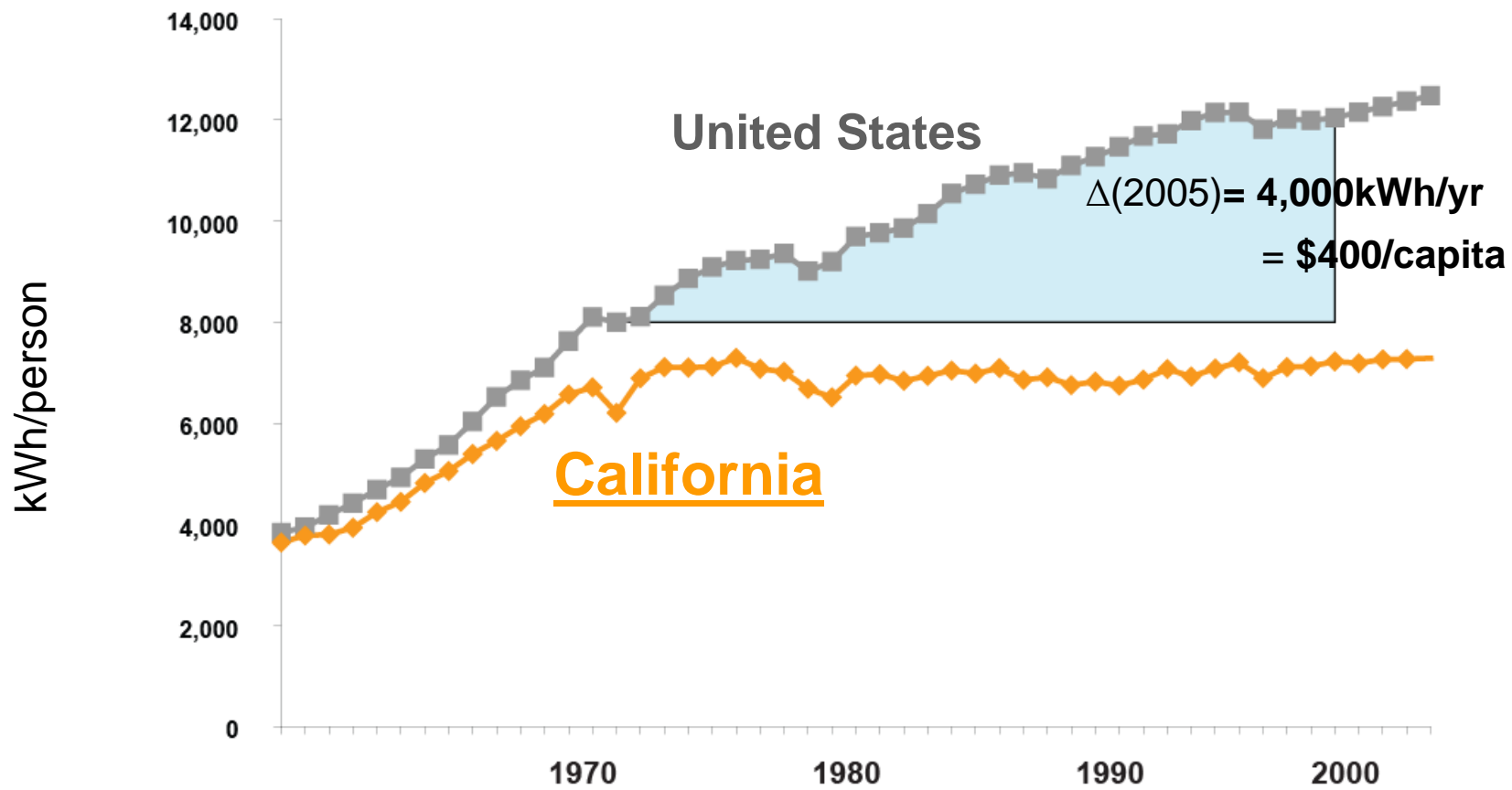
- The nation's most aggressive energy efficiency programs
 - Renewable Portfolio Standard
 - California Solar Initiative
 - Emissions Performance Standard
 - Statewide GHG emissions cap— return to 1990 emissions levels by 2020.



Electricity use in California

While the nation's appetite for electricity has steadily grown, California has become a model of energy efficiency.

Per Capita Electricity Sales (not including self-generation)



4 Big Bold Energy Efficiency Strategies

Commercial New Construction

- All new commercial construction in California will be zero net energy by 2030.



Residential New Construction

- All new residential construction in California will be zero net energy by 2020.



Residential / Small Commercial HVAC

- Heating, Ventilation, and Air Conditioning (HVAC) industry will be reshaped

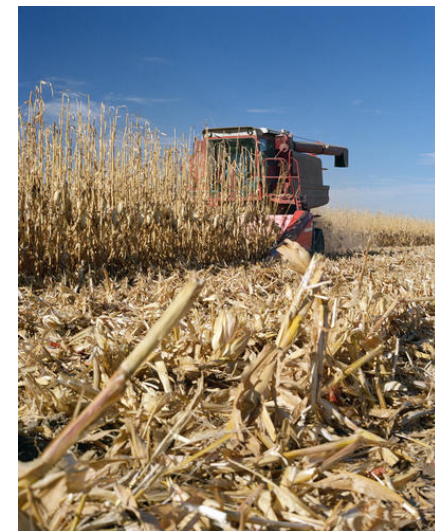


Low-Income Energy Efficiency

- All eligible low-income homes will be energy-efficient

Renewable Portfolio Standard (RPS)

- Current Law:
20% by 2010
- Long Term Goal:
33% by 2020



Partnering on advanced coal

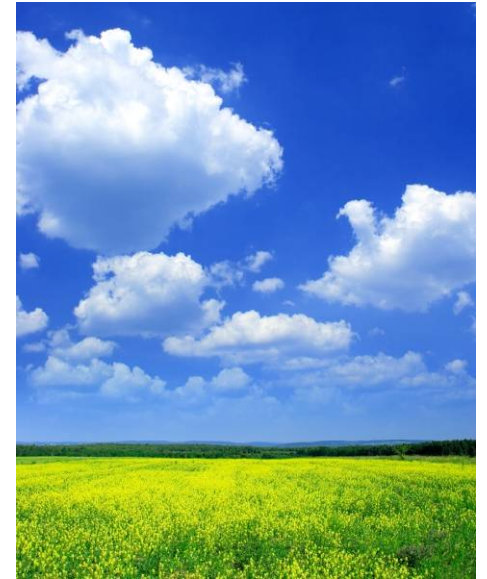


*Other western states
want to sell energy
to California*

*California's growing
population needs new
sources of clean energy*



Western Climate Initiative



■ Objective:

- **Collaborate to reduce GHG emissions collectively among members.**
- Three deliverables:
 1. Set a regional emissions reduction goal.
 2. Design a regional multi-sector mechanism to achieve the reduction goal.
 3. Join The Climate Registry.
- Work jointly to:
 - Promote clean and renewable energy in the region.
 - Increase energy efficiency.
 - Advocate for regional and national climate policies that are in the interest of western states.
 - Identify measures to adapt to climate change impact.



Thank You!



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